National Science and Technology Council

Committee on Technology

Subcommittee on Networking and Information Technology Research and Development

Interagency Working Group on High-End Computing

<u>**Charter**</u>

<u>Preamble</u>

The Interagency Working Group on High-End Computing (the "Interagency Working Group" or "the IWG") is hereby established by the Subcommittee on Networking and Information Technology Research and Development (NITRD) ("the Subcommittee"). The IWG serves as part of the internal deliberative process of the NITRD Subcommittee, which provides guidance and direction for the IWG. The IWG succeeds the High-End Computing Coordinating Group of the IWG/ITRD.

<u>Purpose</u>

The purpose of the IWG is to coordinate high-end computing policy, programs, and budgets. This includes identifying and integrating requirements, conducting joint program planning, and developing joint strategies for the high-end computing programs conducted by NITRD agencies. For purposes of this document, high-end computing includes fundamental and applied research and development, technology development and engineering, infrastructure and applications, demonstrations, and education and training, and "agencies" refers to Federal agencies, departments, directorates, foundations, institutes, and offices.

<u>Scope</u>

The scope of activities for the IWG includes:

- Promoting communications among high-end computing agencies, academia, and industry to address existing and long-term high-end computing requirements

- Promoting close liaison with the Federally-supported high-end computing applications communities, especially through the NSTC Committee on Science and its Subcommittees, to help ensure that their high-end computing needs are addressed

<u>Functions</u>

The IWG has the following functions and activities:

- Facilitating interagency high-end computing program planning, including:

- Providing a forum for agencies to exchange program-level information about agency activities in high-end computing

- Recognizing agency priorities and identifying interagency priorities in high-end computing

- Identifying opportunities for collaboration, coordination, and leveraging among agencies in specific high-end computing areas; recognizing agency priorities within these areas and gaps among them; and promoting interagency coordination to address any gaps

- Developing and maintaining a high-end computing technology roadmap

- Developing recommendations for Federal high-end computing policy, such as recommendations regarding the establishment of Federal high-end computing priorities and the need for specific interagency activities to address those priorities

- Preparing an annual report summarizing the activities of the IWG, which shall serve as the high-end computing component of the President's Budget Supplement for the NITRD Program

- Coordinating with other NITRD bodies such as IWGs and Coordinating Groups on issues of mutual interest

In support of these functions the IWG may establish task forces and *ad hoc* coordinating groups to facilitate focused interagency activities, coordinate planning and budget activities with the Office of Science and Technology Policy and the Office of Management and Budget, and coordinate with other NSTC Committees, Subcommittees, and Interagency Working Groups on issues of mutual interest.

Membership

The following Federal agencies are represented on the IWG:

- *Within the Department of Commerce:*
  - National Institute of Standards and Technology
  - National Oceanic and Atmospheric Administration
- *Within the Department of Defense:*
  - Defense Advanced Research Projects Agency
  - National Security Agency
  - Office of the Director, Defense Research and Engineering
- *Within the Department of Energy:*
  - National Nuclear Security Administration
  - Office of Science
- *Within the Department of Health and Human Services:*
  - Agency for Healthcare Research and Quality
  - National Institutes of Health
- Department of Homeland Security
- Environmental Protection Agency

- National Aeronautics and Space Administration
- *Within the National Science Foundation:*
    - Computer and Information Science and Engineering Directorate
    - Other NSF Research Directorates and Offices (as a group)

The following offices shall participate in IWG activities:

- National Coordination Office for Information Technology Research and Development
- Office of Management and Budget
- Office of Science and Technology Policy

Structure of the IWG

The IWG shall be structured as follows:

- Chairmanship of the IWG shall be named by the co-chairs of the NITRD Subcommittee
- Intra- and inter-agency coordination, fact finding, task force and coordinating group efforts, and planning shall occur between the formal, scheduled IWG meetings

Private Sector Interface

The IWG may interact with and receive *ad hoc* advice from other Federal advisory bodies and from private sector groups as consistent with the Federal Advisory Committee Act.

Resources

As part of its responsibilities to the Subcommittee, the National Coordination Office for Information Technology Research and Development shall provide technical and administrative support to the IWG.

Termination

Unless renewed by the chairs of the NITRD Subcommittee prior to its expiration, the IWG shall terminate no later than December 31, 2006.

<u>Determination</u>

We hereby determine that the formation of this Interagency Working Group is in the public interest in connection with the performance of duties imposed on the Executive Branch by law, and that such duties can best be performed by such a group.

Approved:

Peter Freeman   February 11, 2005
Co-Chair, NITRD Subcommittee

David B. Nelson   February 11, 2005
Co-Chair, NITRD Subcommittee